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(71) Applicant (for all designated States except US): **BOSTON MEDICAL CENTER CORPORATION** [US/US]; One Boston Medical Center, Boston, MA 02118 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **NOVAK, Peter** [US/US]; 60 Round Hill Street, Jamaica Plain, MA 02130 (US).

(74) Agents: **GAGNEBIN, Charles, L., III** et al.; Weingarten, Schurgin, Gagnebin & Lebovici, LLP, Ten Post Office Square, Boston, MA 02109 (US).

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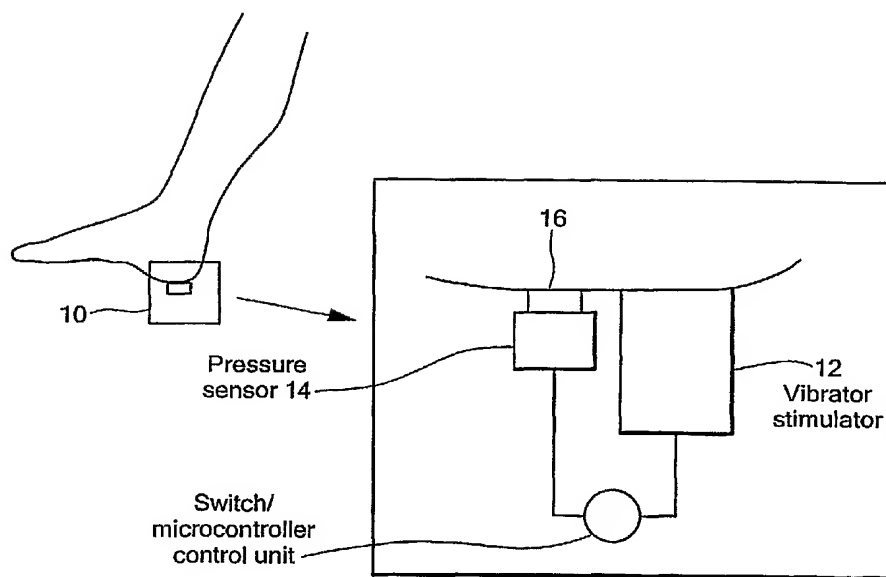
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**Declarations under Rule 4.17:**

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ,

[Continued on next page]

(54) Title: A SYSTEM AND METHOD FOR GAIT SYNCHRONIZED VIBRATORY STIMULATION OF THE FEET



(57) Abstract: A device and method for stimulating a foot of a subject based on ambulatory feedback can impact various characteristics of the subject's gait. The device may include a pressure sensor, a switch or controller, and a vibrational stimulator. The switch or controller actuates the stimulator based on feedback from the pressure sensor. The controller can include algorithms to provide stimulation based on the pressure sensor input, as well as record data related to characteristics such as step or stride interval, step characteristics and other ambulatory-related information.

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